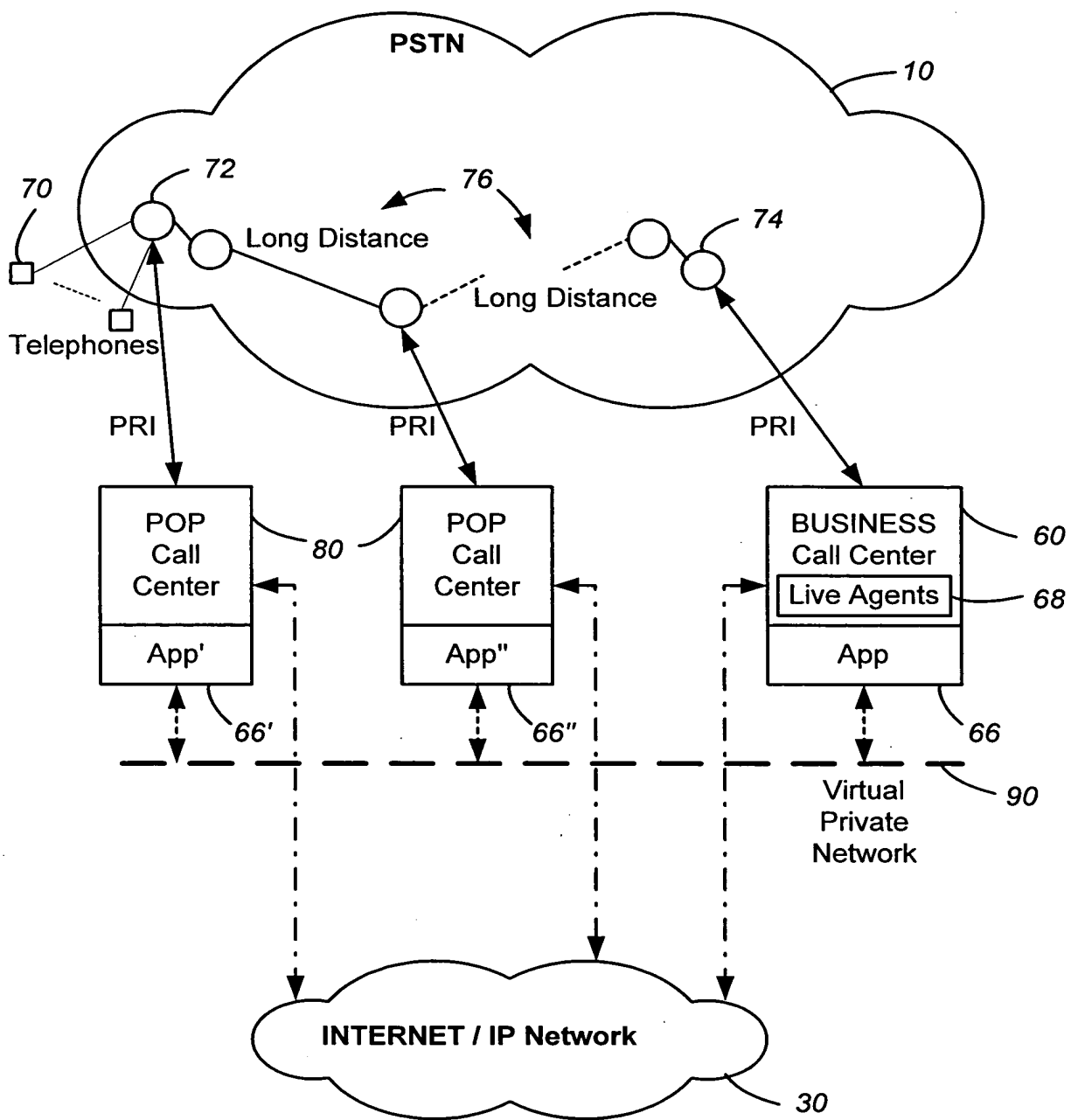
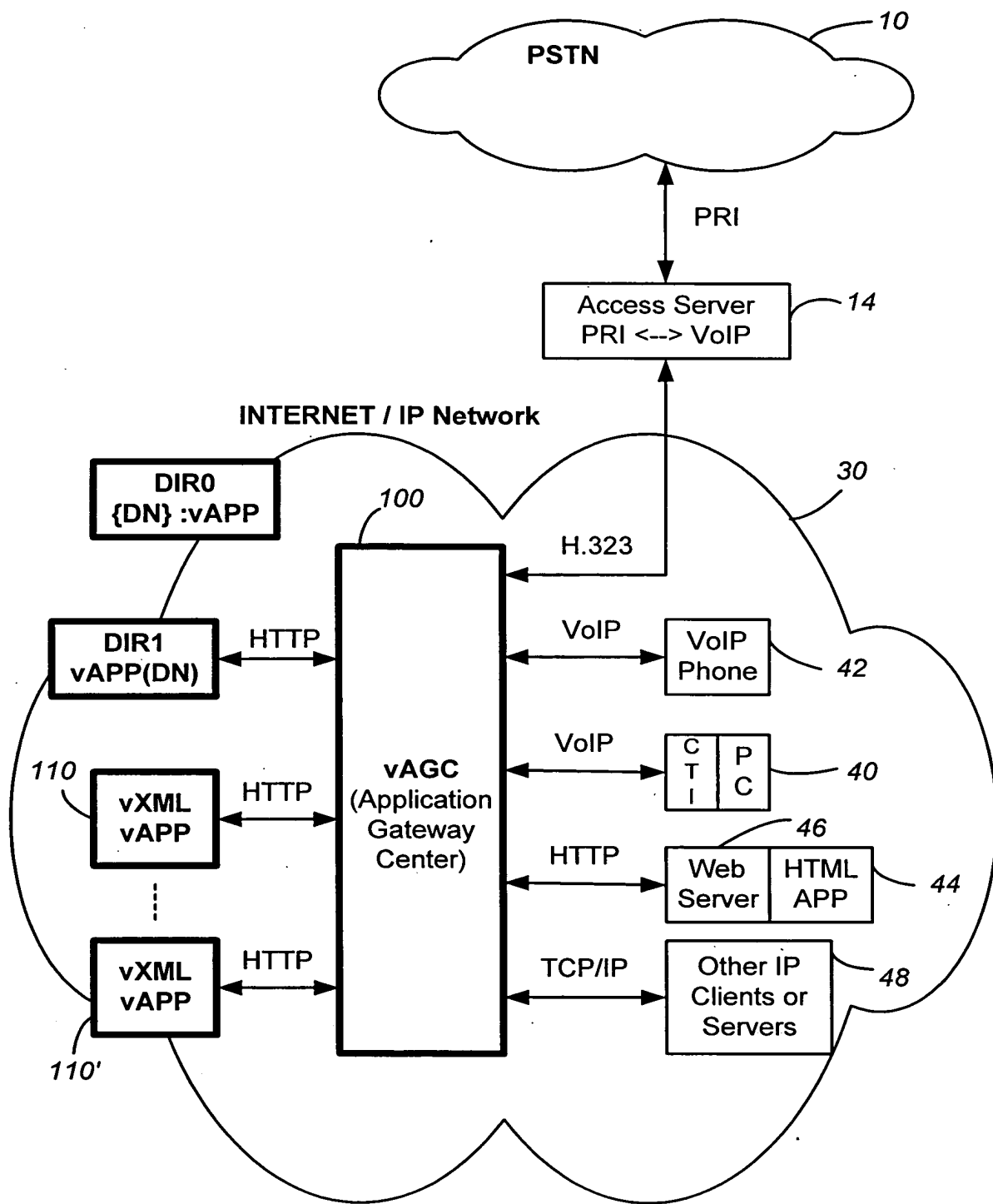


**FIG. 1A** (Prior Art)



**FIG. 1B** (Prior Art)



**FIG. 2**

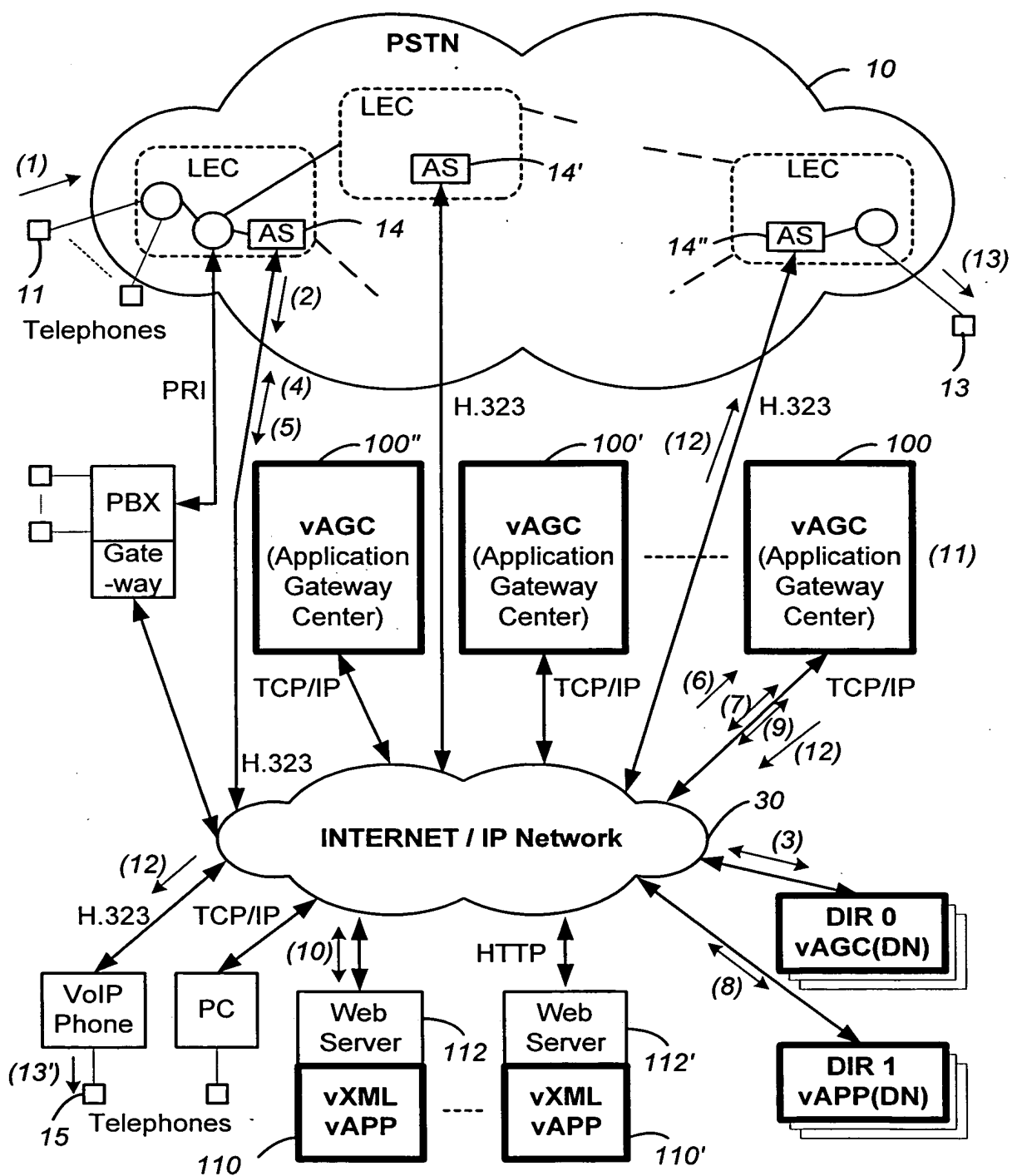
000200-2019-2960

For a given dialed number (DN), create an associated application vAPP(DN) in XML, and post the resulting webpage on the Internet
Provide any media, files, web applications that will be requested or act on by vAPP(DN)
Enter the address of vAPP(DN) in a directory DIR1

↓

A new call to (DN) is routed to vAGC
vAGC looks up URL for the address of vAPP(DN) (e.g. uses DN to query DIR1 for the address of the associated vAPP)
vAGC retrieves the XML scripts of the vAPP(DN)
vAGC processes the new call by executing the retrieved XML scripts

**FIG. 3**



**FIG. 4A**

```

graph TD
    S1["(1) A new call to a dialed number (DN) is made at a local exchange"] --> S2["(2) New call is routed to an Internet Access Server (AS)  
AS converts new call to VoIP (H.323)"]
    S2 --> S3["(3) (4) AS looks up address of a destination vAGC (Application Gateway Center) from a directory (DIR 1)"]
    S3 --> S4["(5) AS directs New call to vAGC"]
    S4 --> S5["(6) vAGC initiates a 1st session for new call"]
    S5 --> S6["(7) (8) vAGC looks up URL for the application (vAPP) associated with the DN"]
    S6 --> S7["(9) (10) vAGC uses the URL to retrieve the XML scripts of the vAPP"]
    S7 --> S8["(11) vAGC processes New call according to retrieved XML scripts"]
    S8 --> S9["(9) (10) vAGC retrieves other media files from URLs specified by XML scripts"]
    S9 -.-> S10["(12) vAGC initiates a 2nd session with the destination PSTN node"]
    S9 -.-> S11["(12) vAGC initiates a 2nd session with the destination Internet node"]
    S9 -.-> S12["(12) vAGC interacts with other HTML applications or other backend processes to execute on-line transactions"]
    S10 --> S13["(13) vAGC conferences 1st and 2nd sessions, thereby effectively routing new call to destination node"]
    S11 --> S13'["(13') vAGC conferences 1st and 2nd sessions, thereby effectively routing new call to destination node"]
    S12 --> S12'["(12) vAGC interacts with other HTML applications or other backend processes to execute on-line transactions"]
  
```

The flowchart illustrates the process of routing a new call to a destination node via an Internet Access Server (AS) and an Application Gateway Center (vAGC). The process is divided into two main phases: initial routing and session establishment.

**Initial Routing Phase:**

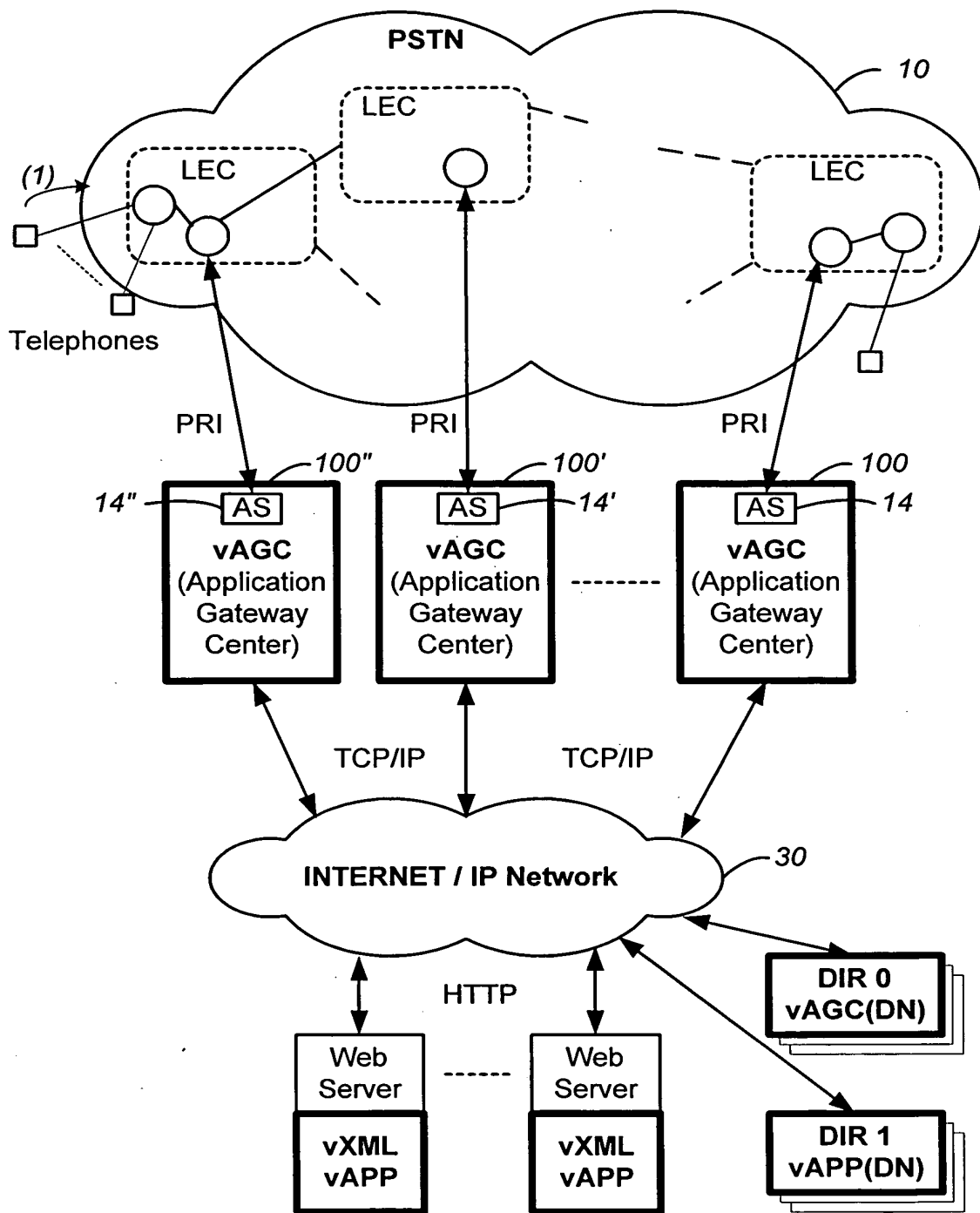
- (1) A new call to a dialed number (DN) is made at a local exchange.
- (2) New call is routed to an Internet Access Server (AS). The AS converts the new call to VoIP (H.323).
- (3) (4) AS looks up address of a destination vAGC (Application Gateway Center) from a directory (DIR 1).
- (5) AS directs New call to vAGC.
- (6) vAGC initiates a 1st session for new call.

**Session Establishment Phase:**

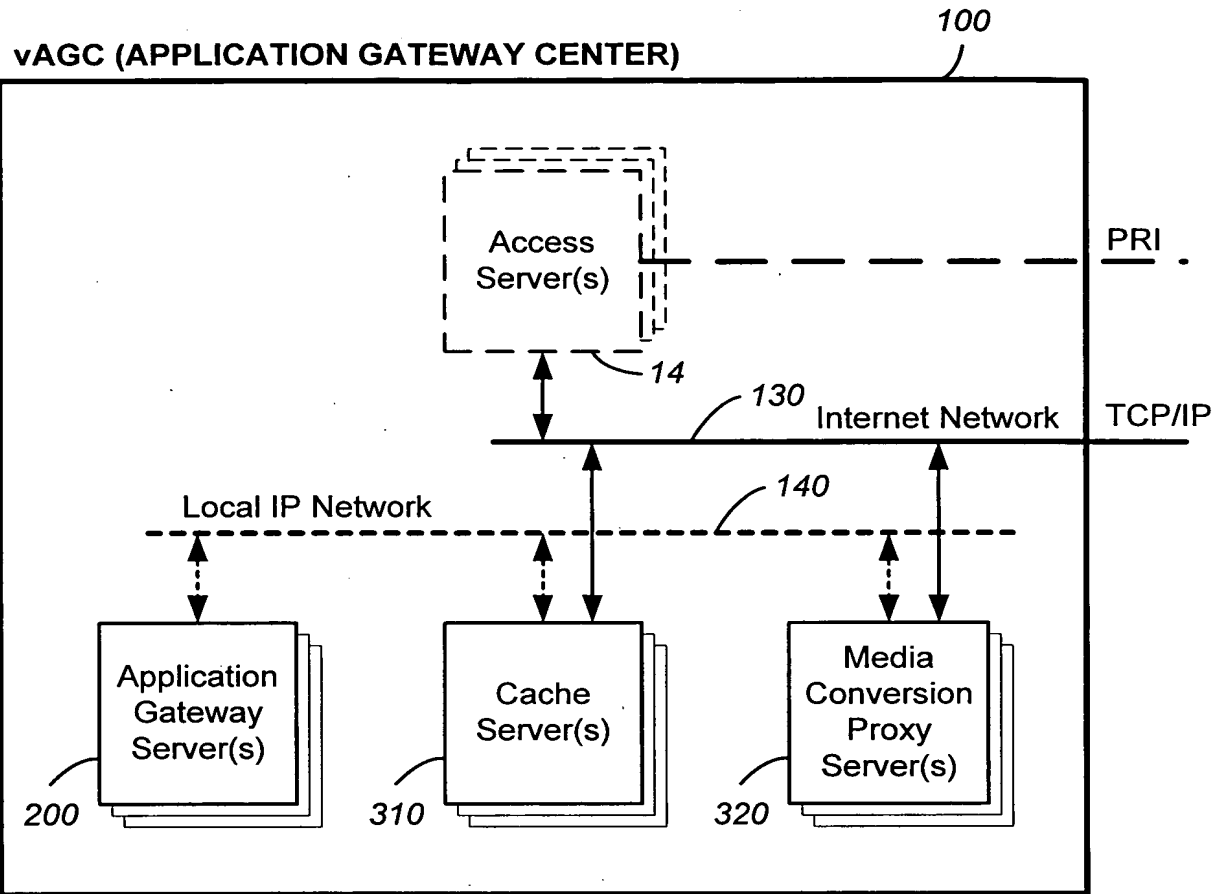
The vAGC then looks up the URL for the application (vAPP) associated with the DN (7) (8) and uses the URL to retrieve the XML scripts of the vAPP (9) (10). The vAGC processes the New call according to the retrieved XML scripts (11) and retrieves other media files from URLs specified by XML scripts (9) (10).

Based on the retrieved XML scripts, the vAGC can initiate a 2nd session with the destination PSTN node (12) or the destination Internet node (12), or interact with other HTML applications or other backend processes to execute on-line transactions (12). The vAGC then conferences the 1st and 2nd sessions, thereby effectively routing the new call to the destination node (13) or (13').

**FIG. 4B**



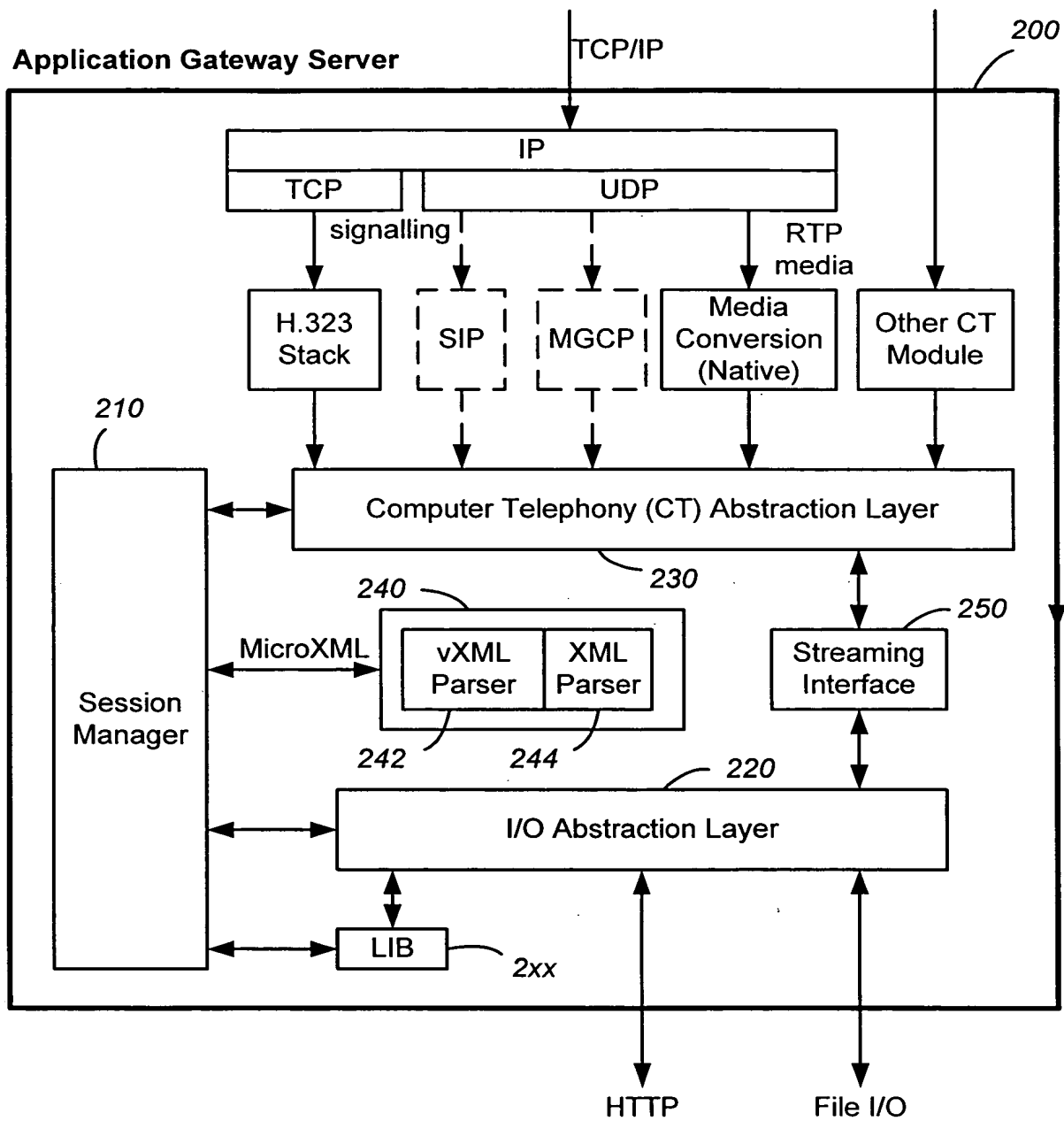
**FIG. 5**



**FIG. 6**







**FIG. 8**

**FIG. 9**